



SYNTHETIC MINOR OPERATING PERMIT

PERMITTEE: AMVAC CHEMICAL CORPORATION
FACILITY NAME: AMVAC CHEMICAL CORPORATION
LOCATION: AXIS, ALABAMA

PERMIT NUMBER	DESCRIPTION OF EQUIPMENT, ARTICLE OR DEVICE
503-0048-Z082	Pesticide, Insecticide, and Fungicide Chemical Processes

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code §§22-22A-1 to 22-22A-15 (2006 Rplc. Vol. and 2007 Cum. Supp.), and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

ISSUANCE DATE: DRAFT

**AMVAC CHEMICAL CORPORATION
AXIS, ALABAMA
PERMIT NO. 503-0048-Z082
PROVISOS**

1. This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.
2. This permit is not transferable. Upon sale or legal transfer, the new owner or operator must apply for a permit within 30 days.
3. A new permit application must be made for new sources, replacements, alterations, or design changes which may result in the issuance of, or an increase in the issuance of, air contaminants or the use of which may eliminate or reduce or control the issuance of air contaminants.
4. In case of shutdown of air pollution control equipment for scheduled maintenance for a period greater than 1 hour, the intent to shut down shall be reported to the Department at least 24 hours prior to the planned shutdown, unless accompanied by the immediate shutdown of the emission source.
5. In the event there is a breakdown of equipment in such a manner as to cause increased emission of air contaminants for a period greater than **1 hour**, the person responsible for such equipment shall notify the Department within an additional 24 hours and provide a statement giving all pertinent facts, including the duration of the breakdown. The Department shall be notified when the breakdown has been corrected.
6. This process, including all air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.
7. This permit expires and the application is cancelled if construction has not begun within 24 months of the date of issuance of the permit.
8. On completion of construction of the device for which this permit is issued, notification of the fact is to be given to the Chief of the Air Division. The notification shall indicate whether the device(s) was constructed as proposed in the application. The device(s) shall not be operated until authorization to operate is granted by the Chief of the Air Division. Failure to notify the Chief of the Air Division of completion of construction and/or operation without authorization could result in revocation of this permit.

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9. Submittal of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require stack emission testing at any time.
10. Each point of emission, which requires testing, will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.
11. Additions and revisions to the conditions of this Permit will be made, if necessary, to ensure that the Department's air pollution control rules and regulations are not violated.
12. Nothing in this permit or conditions thereto shall negate any authority granted to the Department pursuant to the Alabama Environmental Management Act or regulations issued thereunder.
13. Precautions to prevent fugitive dust shall be taken so that provisions of the Department's rules and regulations shall not be violated.
14. Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:
 - a) by the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;
 - b) by reducing the speed of vehicular traffic to a point below that at which dust emissions are created;
 - c) by paving;
 - d) by the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions;

Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Department prior to utilization.

15. Precautions shall be taken by the permittee and its personnel to ensure that no person shall ignite, cause to be ignited, permit to be ignited, or maintain any open fire in such a manner as to cause the Department's rules and regulations applicable to open burning to be violated.
16. This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.

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17. To assure that the maximum allowable emissions are not exceeded, the Vent Gas incinerators will not be operated at a combined maximum heat release in excess of eleven (11) million BTU/HR as determined by flue gas flow measurements
18. Emissions from this process shall be routed the two Vent Gas Incinerators (F-P1161 and F-P1162) (Operating and Standby) for control.
19. This process shall not operate without one of the two vent gas incinerator-scrubber systems performing properly.
20. Facility wide emissions of Hazardous Air Pollutants (HAPs) shall not exceed 24.0 tons per year (TPY) in any consecutive rolling 12-month period. Facility wide emissions of any individual Hazardous Air Pollutant (HAP) shall not exceed 9.0 tons per year (TPY) in any consecutive rolling 12-month period. If the emissions of HAPs exceed these limits, the Air Division shall be notified in writing within 10 days of the exceedance.
21. The maximum emission factors for HAPs in lb of emission per lb of production shall not exceed the following:

0.01314	lb of emissions/lb of product	HCL
0.002	lb of emissions/lb of product	Methylene Chloride
0.00072	lb of emissions/lb of product	Methanol
0.00087	lb of emissions/lb of product	Toluene
0.000025	lb of emissions/lb of product	Chlorine
0.00448	lb of emissions/lb of product	SO ₂
22. Within 10 days of the end of each month, compliance with all provisos in this permit will be determined. These records shall be maintained for 2 years at the facility. Should this facility, at any time, exceed the limits in this permit, the Air Division must be notified in writing within ten (10) days of the identification of the exceedance.
23. A report summarizing the above information shall be submitted for each calendar quarter by the 10th day of the month following the end of the quarter, in a format approved by the Department in advance.
24. The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.
25. The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.

DRAFT

Date